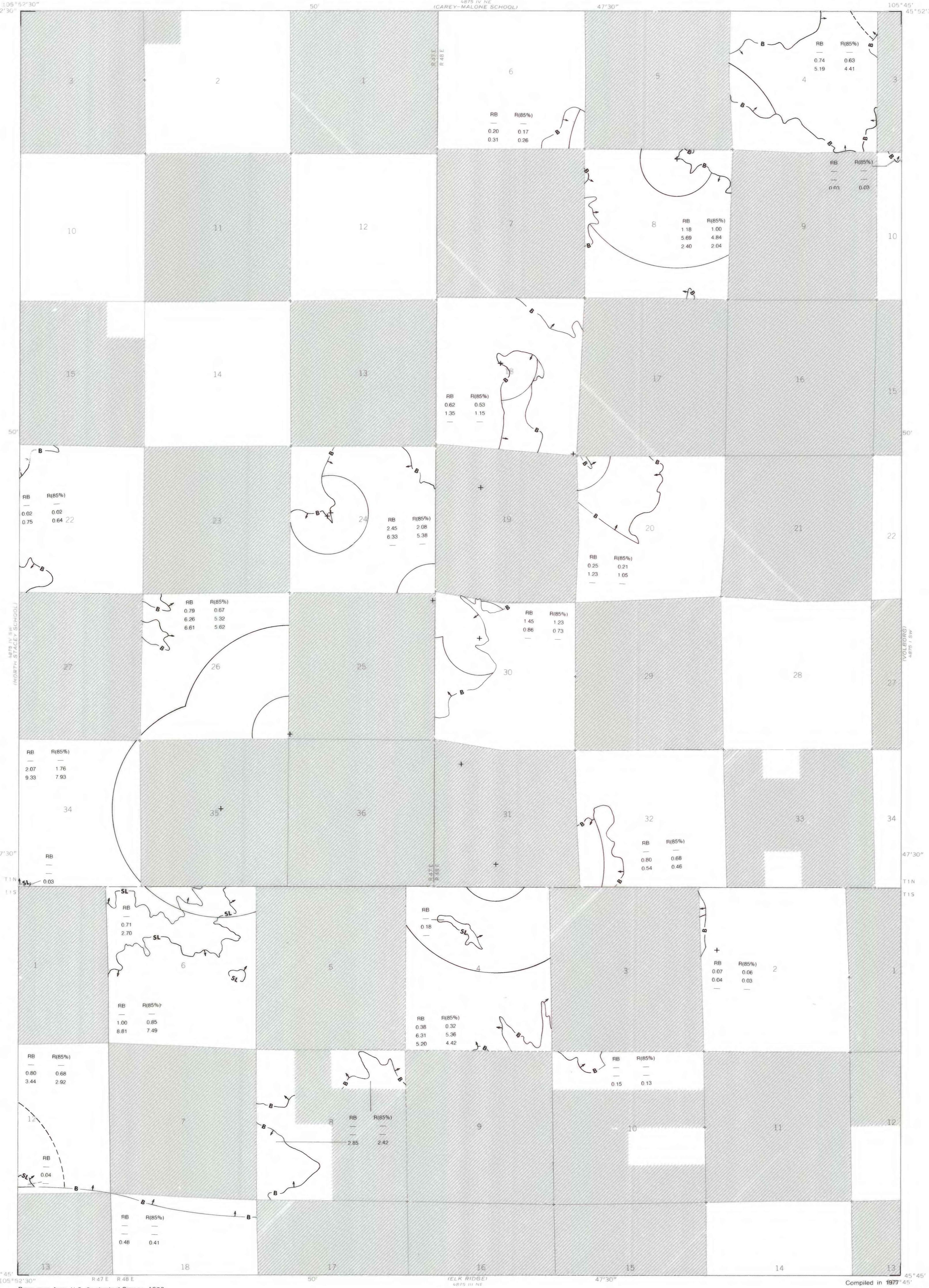


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature



COAL RESOURCE OCCURRENCE MAP OF THE FOSTER CREEK SCHOOL QUADRANGLE, CUSTER AND POWDER RIVER COUNTIES, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979

PLATE 9

AREAL DISTRIBUTION AND TONNAGE MAP OF IDENTIFIED RESOURCES OF THE FLOWERS-GOODALE COAL BED

EXPLANATION



NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights.



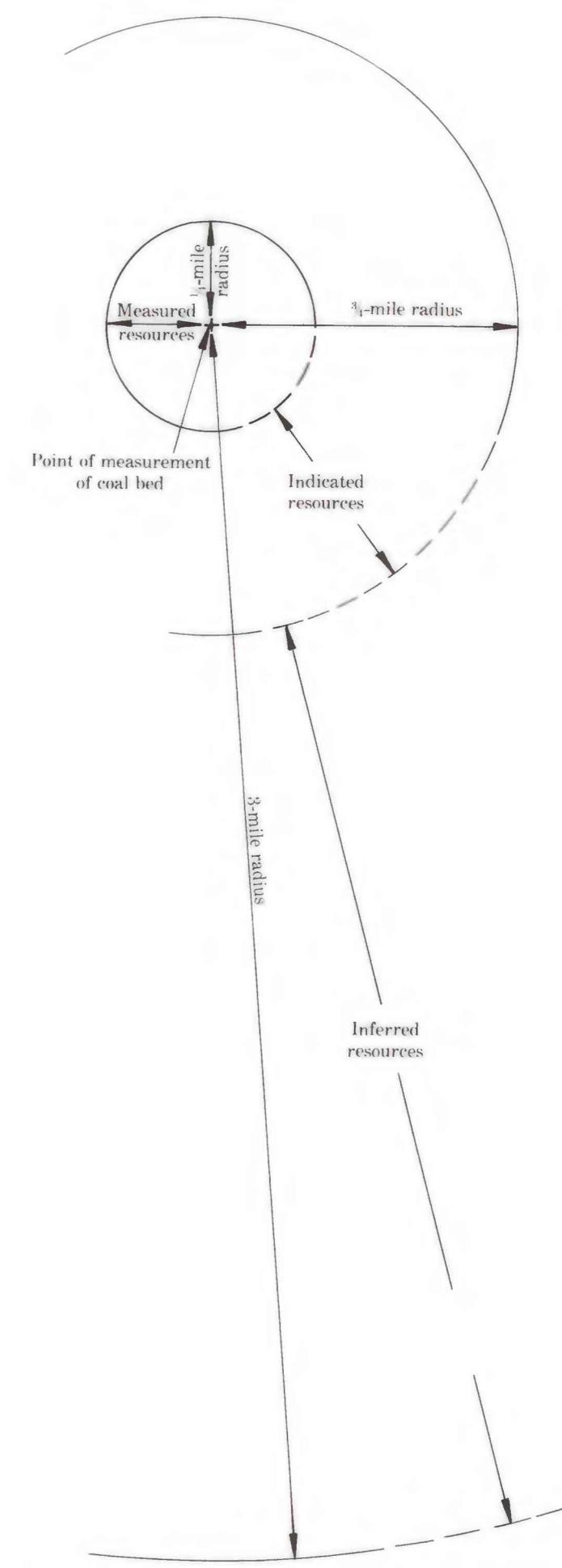
STRIPPING-LIMIT LINE—Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.



BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.



POINT OF MEASUREMENT ON COAL BED



IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

RB R(85%)  
0.38 0.32 (Measured resources)  
0.31 0.36 (Indicated resources)  
5.20 4.42 (Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

RB (Measured resources)  
0.04 (Indicated resources)  
— (Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.

NOTE: Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line.